

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Application No. 0756-1950

Serial No. 09/285,899

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicants: Shunpei YAMAZAKI et al.

Filing Date: April 8, 1999

Group Art Unit: 2871

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
Q	3,838,209	09/24/74	Tsuchiya et al.			
Q	3,955,187	05/04/76	Bigelow			
Q	4,021,607	05/03/77	Amano			
Q	4,427,978	01/24/84	Williams			
Q	4,600,274	07/15/86	Morozumi			
Q	4,649,432	03/10/87	Watanabe et al.			
Q	4,650,543	03/17/87	Kishita et al.			
Q	4,653,862	03/31/87	Morozumi			
Q	4,660,030	04/21/87	Maezawa			
Q	4,716,403	12/29/87	Morozumi			
Q	4,742,346	05/03/88	Gillette et al.			
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Q	4,770,502	09/13/88	Kitazima et al.			
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Q	5,091,722	02/25/92	Kitajima et al.			
Q	5,142,272	08/25/92	Kondo			

Examiner

Date Considered

12/6/00

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Q	5,182,620	01/26/93	Shimada et al.			
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Q	Re. 33,882	04/14/92	Morozumi			

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
Q	0 349 415	03.01.90	EP				X
Q	1 396 486	04.06.75	GB				
Q	2 130 781	06.06.84	GB				
Q	2 187 859	16.09.87	GB				
Q	49-52598	05.22.74	JP			Abstract	
Q	52-76897	06.28.77	JP			Abstract	
Q	58-27365	02.18.83	JP			Full	
Q	59-61818	04.09.84	JP			Abstract	
Q	60-154996	10.16.85	JP				X
Q	61-136263	06.24.86	JP			Abstract	
Q	62-283664	12.09.87	JP				X
Q	64-68732	03.14.89	JP				X

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	Document Number	Date	Country	Class	Subclass	Translation Yes No	
①	1-107237	04.25.89	JP			Abstract	
②	1-156725	06.20.89	JP			Full	
③	2-16596	01.19.90	JP			Abstract	
④	2-199498	08.07.90	JP			Abstract	
⑤	3-288824	12.19.91	JP			Abstract	
⑥	4-283729	10.08.92	JP			Full	
⑦	4-291240	10.15.92	JP			Full	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

①	IBM Technical Disclosure Bulletin, Vol. 33, No. 6B, Nov. 1990, New York, pgs. 384-385, XP 000108914, "Driving Method for TFT/LCD Grayscale"
②	Molecular Crystals and Liquid Crystals, Vol. 185 (1990) August, Chur, CH, pgs. 67-74, Montgomery et al., "Improving Multiplexability of Polymer-Dispersed Liquid Crystal Films by Dual Frequency Addressing".

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.12/6/00

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Applicant: SHUNPEI YAMAZAKI ET AL.

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Filing Date: 04/08/99

Group: 2871/DUDEK

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if approp.)
①	RE 36,314	09/28/99	YAMAZAKI ET AL.			
②	5,308,998	05/03/94	YAMAZAKI ET AL.			
③	5,414,442	05/09/95	YAMAZAKI ET AL.			
④	5,453,858	09/26/95	YAMAZAKI			
⑤	5,514,879	05/07/96	YAMAZAKI			
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⑦	5,614,732	03/25/97	YAMAZAKI			
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①	Japanese Journal of Applied Physics, Vol. 29, No. 3, March 1990, pp. L 385 - L 387
②	Japanese Journal of Applied Physics, Vol. 29, No. 7, July 1990, pp. L 1029 - L 1032

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12/4/00

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